

FORM PTO-1390 (REV 10-94)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		14565.0005USWO	
		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown <b>10/511927</b>	
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED	
PCT/CN03/00079	January 27, 2004	April 23, 2002	
TITLE OF INVENTION			
BASE-BAND DIGITAL PRE-DISTORTION-BASED METHOD FOR IMPROVING EFFICIENCY OF RF POWER AMPLIFIER			
APPLICANT(S) FOR DO/EO/US			
LONG			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(l).</p> <p>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An unsigned oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>			
Items 11. to 16. below concern document(s) or information included:			
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information: Application Data Sheet (3 pages), Form 1449, 1 reference, Form PCT/RO/101, Form PCT/RO/105, Form PCT/ISA/202, Form PCT/ISA/210, Form PCT/ISA/220, Form PCT/IB/301, Form PCT/IB/304, Form PCT/IB/308, Form PCT/IB/332, Form PCT/IPEA/409, Form PCT/IPEA/416</p>			

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown <b>10/511927</b>	INTERNATIONAL APPLICATION NO. PCT/CN03/00079	ATTORNEY'S DOCKET NUMBER 14565.0005USWO		
17. [X] The following fees are submitted:		<b>CALCULATIONS PTO USE ONLY</b>		
<b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):</b> Search Report has been prepared by the EPO or JPO..... <b>\$950.00</b>  International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(1)) ..... <b>\$750.00</b>  No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... <b>\$790.00</b>  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(3)) paid to USPTO..... <b>\$1100.00</b>  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... <b>\$100.00</b>				
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		<b>\$950.00</b>		
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		<b>\$0</b>		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	10	-20 = 0	X \$18.00	<b>\$0</b>
Independent claims	1	-3 = 0	X \$88.00	<b>\$0</b>
<b>MULTIPLE DEPENDENT CLAIM(S) (if applicable)</b>		+ \$300.00		<b>\$0</b>
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$950.00</b>		
Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27				<b>\$0</b>
<b>SUBTOTAL =</b>		<b>\$950.00</b>		
Processing fee of <b>\$130.00</b> for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+ \$0		
<b>TOTAL NATIONAL FEE =</b>		<b>\$950.00</b>		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+ \$0		
<b>TOTAL FEES ENCLOSED =</b>		<b>\$950.00</b>		
		<b>Amount to be:</b>		
		<b>refunded</b>	<b>\$0</b>	
		<b>charged</b>	<b>\$0</b>	
a. [X] Check(s) in the amount of <u><b>\$950.00</b></u> to cover the above fees is enclosed.  b. [ ] Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u><b>13-2725</b></u> .				
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>				
SEND ALL CORRESPONDENCE TO: Michael D. Schumann MERCHANT & GOULD P.O. Box 2903 Minneapolis, MN 55402-0903		SIGNATURE:  NAME: Michael D. Schumann REGISTRATION NUMBER: 30,422		

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: LONG

Docket: 14565.0005USWO

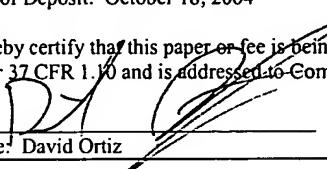
Title: BASE-BAND DIGITAL PRE-DISTORTION-BASED METHOD FOR IMPROVING  
EFFICIENCY OF RF POWER AMPLIFIER

## CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EV 408493333 US

Date of Deposit: October 18, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By:   
Name: David OrtizMail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- National Stage PCT Patent Application: Spec. 20 pgs; 10 claims; Abstract 1 pgs.  
The fee has been calculated as shown below in the 'Claims as Filed' table.
- 8 sheets of formal drawings
- An unsigned Combined Declaration and Power of Attorney
- A check in the amount of \$950.00 to cover the Filing Fee
- Information Disclosure Statement, Form 1449, 1 reference(s).
- Application Data Sheet, 3 pages.
- Other: Form PTO-1390, Preliminary Amendment (7 pages), WO 03/092154 A1, Form PCT/RO/101, Form PCT/RO/105, Form PCT/ISA/202, Form PCT/ISA/210, Form PCT/ISA/220, Form PCT/IB/301, Form PCT/IB/304, Form PCT/IB/308, Form PCT/IB/332, Form PCT/IPEA/409, Form PCT/IPEA/416
- Return postcard

## CLAIMS AS FILED

Number of Claims Filed	In Excess of:	Number Extra	Rate	Fee
<b>Basic Filing Fee</b>				\$950.00
<b>Total Claims</b>				
10	-	20	= 0 x 18.00 =	\$0.00
<b>Independent Claims</b>				
1	-	3	= 0 x 88.00 =	\$0.00
<b>MULTIPLE DEPENDENT CLAIM FEE</b>				\$0.00
<b>TOTAL FILING FEE</b>				\$950.00

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

By: Name: Michael D. Schumann  
Reg. No.: 30,422  
Initials: MDS/sbd

23552

PATENT TRADEMARK OFFICE

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**DOCKET NOTIFICATION SLIP**

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**TO: PATENT DOCKETING**

Applicant: LONG  
Title: BASE-BAND DIGITAL PRE-DISTORTION-BASED METHOD FOR IMPROVING  
EFFICIENCY OF RF POWER AMPLIFIER  
Docket: 14565.0005USWO

Express Mail No.: EV 408493333 US

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- Return postcard

MDS/sbd **NO FF**